

For additional information on FMC Series, including an installation video, please visit <https://tiitech.com/product/fmc/>



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Model: **FMC Series 15", 30" & 45"**
Structured Wire Flush Mount Closure

FMC-15

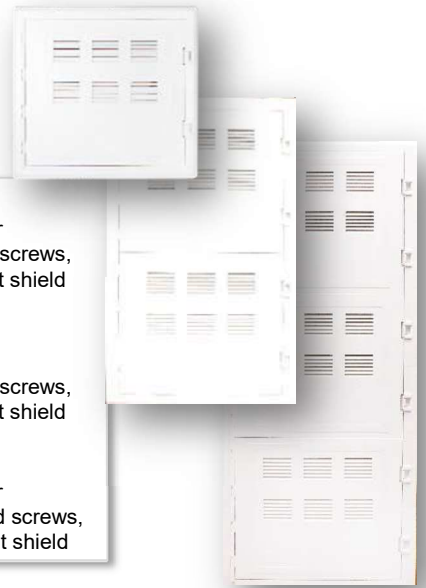
15 inch enclosure: FMC-15B base & FMC-15C cover
(4) #8 x 3/4" lg. flat head screws, (4) #8 x 2" pan head screws,
(4) #6 x 1/4" lg. pan head self-tapping screws and paint shield

FMC-30

30 inch enclosure: FMC-30B base & FMC-30 cover
(4) #8 x 3/4" lg. flat head screws, (8) #8 x 2" pan head screws,
(4) #6 x 1/4" lg. pan head self-tapping screws and paint shield

FMC-45

45 inch enclosure: FMC-45B base & FMC-45C cover
(4) #8 x 3/4" lg. flat head screws, (12) #8 x 2" pan head screws,
(4) #6 x 1/4" lg. pan head self-tapping screws and paint shield



Installation Note

Recessed Panel Installation

1. Remove desired knockouts (conduit and electrical box) from moveable access plate(s) by removing the appropriate plate(s) from the enclosure, scoring desired K/O(s) with utility knife then prying them out with a flat head screwdriver. (Figure 1)
2. For receptacle installation install old work steel electrical box into receptacle access plate using 4 #6 x 1/4" Pan Head Self-Tapping Screws (Included). Install electrical receptacle in accordance with NEC and local electrical codes. Be sure to install receptacle cover plate as shown. (Figure 1 & 2)
3. For conduit installation, install required conduit connector, 1/2", 3/4" or 1" into the appropriate K/O on the access plate. Follow local codes and good wiring practices when installing communications cables (Coax, Cat5, Cat5E, Cat6 and fiber optic).
4. For ground stud installation drill #10 clearance hole in the plate and install 10-32 x 1.160 stud with 3 nuts and 6 washers (Included in FMC-A1). (Figure 1)

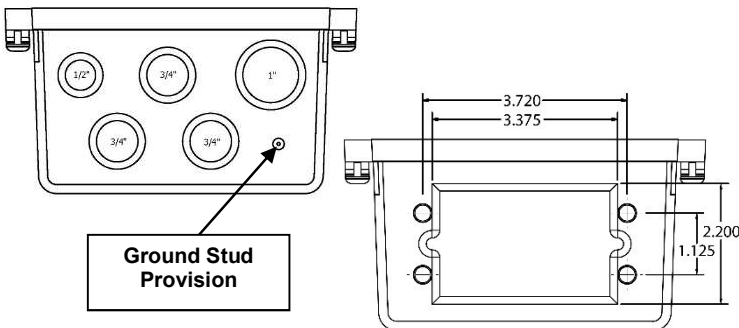


Figure 1

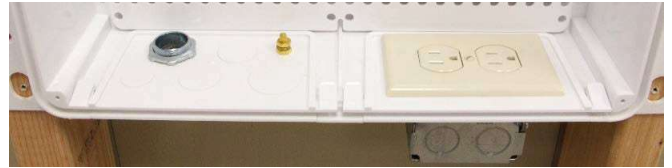


Figure 2

5. Install access plates in the appropriate position in the FMC Enclosure.

Installing the FMC between the studs of a standard 16" on center constructed wall with a 14.5" wall cavity

6. Attach FMC base to studs on both sides through oval shaped mounting holes in the four mounting tabs using four #8 x 3/4" lg. flat head screws (included). (Figure 3)

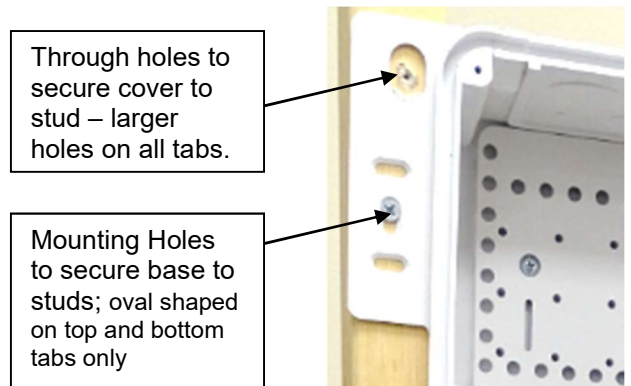


Figure 3

7. After sheet rock is installed, position cover over sheetrock and installed base by aligning the cover's tongue to the groove on the base. Secure cover into stud with #8 x 2" pan head screw (provided) in position 1 (upper left corner) until screw is just snug – do not over tighten. (Figure 4).

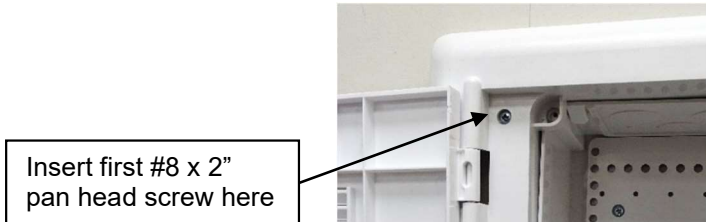


Figure 4

8. Install remaining pan head screws in the tabs in the remaining corners and in the middle of sides following the order shown in Figure 5 below. Tighten until screw is just snug adjusting the reveal around the closed door as you go. Once cover is properly positioned with reveal consistent throughout, carefully tighten screws, following the same order, being careful not to over tighten.

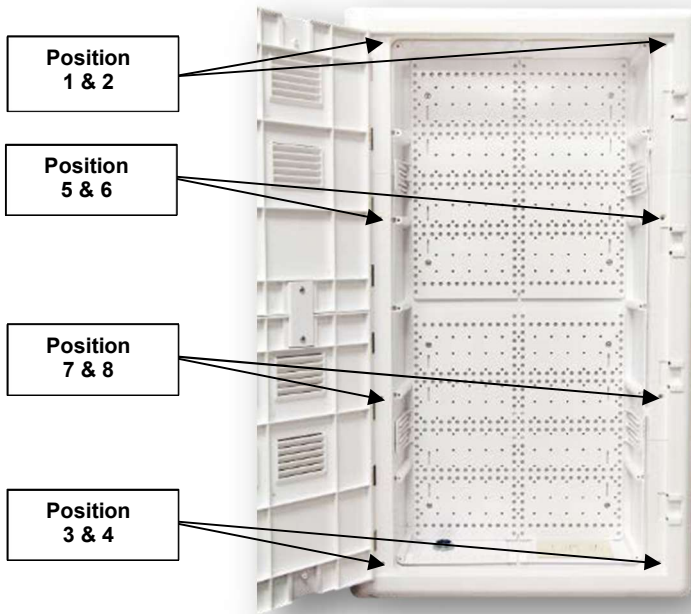


Figure 5

Installing the FMC in a wall with studs spaced greater than 16" on center

9. Determine which stud (left or right) the FMC base will be attached to and secure the unit through two mounting tabs (top and bottom) on the selected side using two #8 x 3/4" lg. flat head screws, included. (Figure 6)

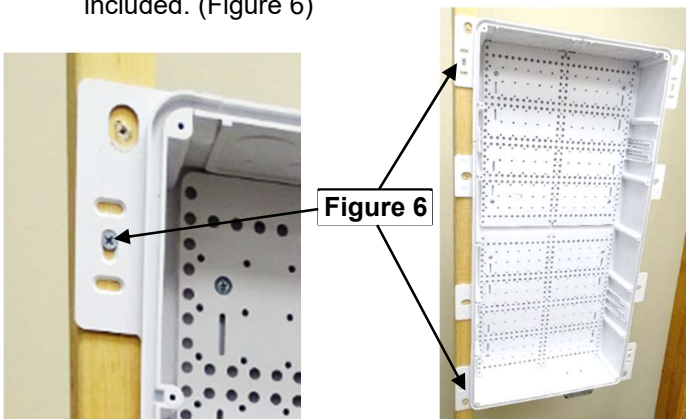


Figure 6

9. After sheet rock is installed, install the FMC cover over sheetrock and installed base by aligning the cover's tongue to inside of base groove. Secure with #8 x 2" pan head screw in the upper corner on the same side that base is attached to the wall stud. (Figures 7 & 8). Continue with the bottom corner of the same side.



Figure 7



Figure 8

Starting on the stud side, insert first screw in upper corner through stud then move to the lower corner

10. Now move to the side where there is no stud. Starting with the upper position secure the cover directly to the base with #8 x 2" pan head screw through the hole in the cover into the receptor on the base. Continue with the bottom corner then the middle, tightening until just snug. (Figures 9 & 10)



Figure 9

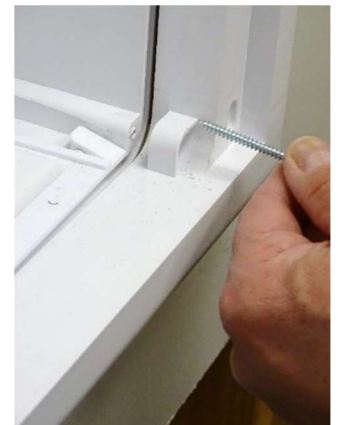


Figure 10

On the upper corner of the non-stud side, install screw through the hole in the cover, into the receptor on the base which will draw the base and cover together sandwiching the sheetrock in between. At this point, be careful not to over tighten. Continue with the lower corner then the middle.

11. Insert two remaining pan head screws into the remaining middle side slots on the stud side. Once all screws are installed, but not fully tightened, shift cover as desired adjusting the reveal around the closed door as you go. Once cover is properly positioned with reveal consistent throughout, carefully tighten screws, being careful not to over tighten. (Figure 11)

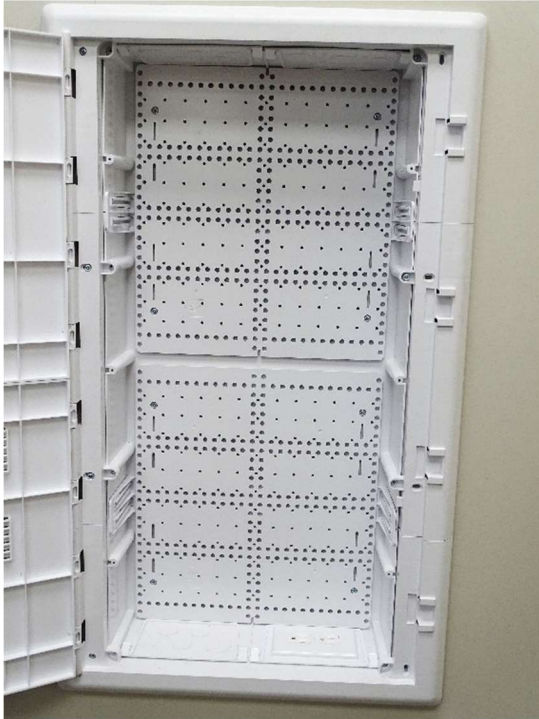


Figure 11

Component Installation and Cable Management (FMC-A1 Accessory Kit)

Ground Stud:

- (1) #10-32 x 1.160 Stud
- (3) Nuts
- (6) Washer

Accessory mounting:

- (6) - Mini-shelves
- (10) - Velcro/wire tie clips
- (26) - #8 x 3/8" self-tapping pan head screws
- (5ft) - 1/2 inch Velcro

12. To mount components, install 'mini-shelves' and 'Velcro/wire tie clips' where needed and secure component with Velcro through clips (Figure 12).
13. Clips and shelves are secured with #8 x 3/8" self-tapping pan head screws into the smaller holes in the enclosure back wall (Figure 13).
14. Clips can be used with Velcro or cable ties as needed for cable management (Figure 14).

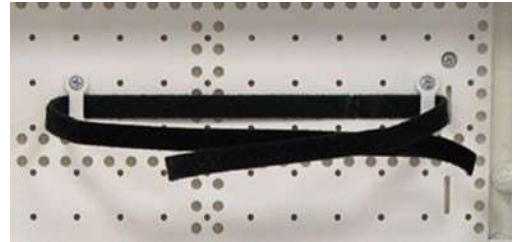


Figure 12



Figure 13



Figure 14

NOTE: Tii FMC enclosures will also accommodate other manufacturer's industry standard push-pin type mounting devices.